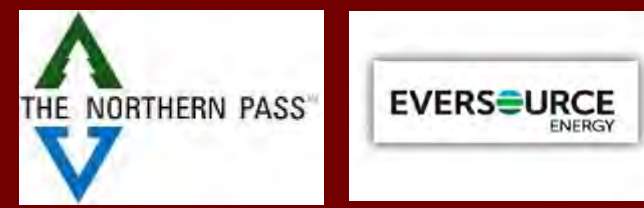


NORTHERN PASS PROJECT
Public Water, Rail, and State Land Crossings
DE 15-460, DE 15-461, DE 15-462, & DE 15-463

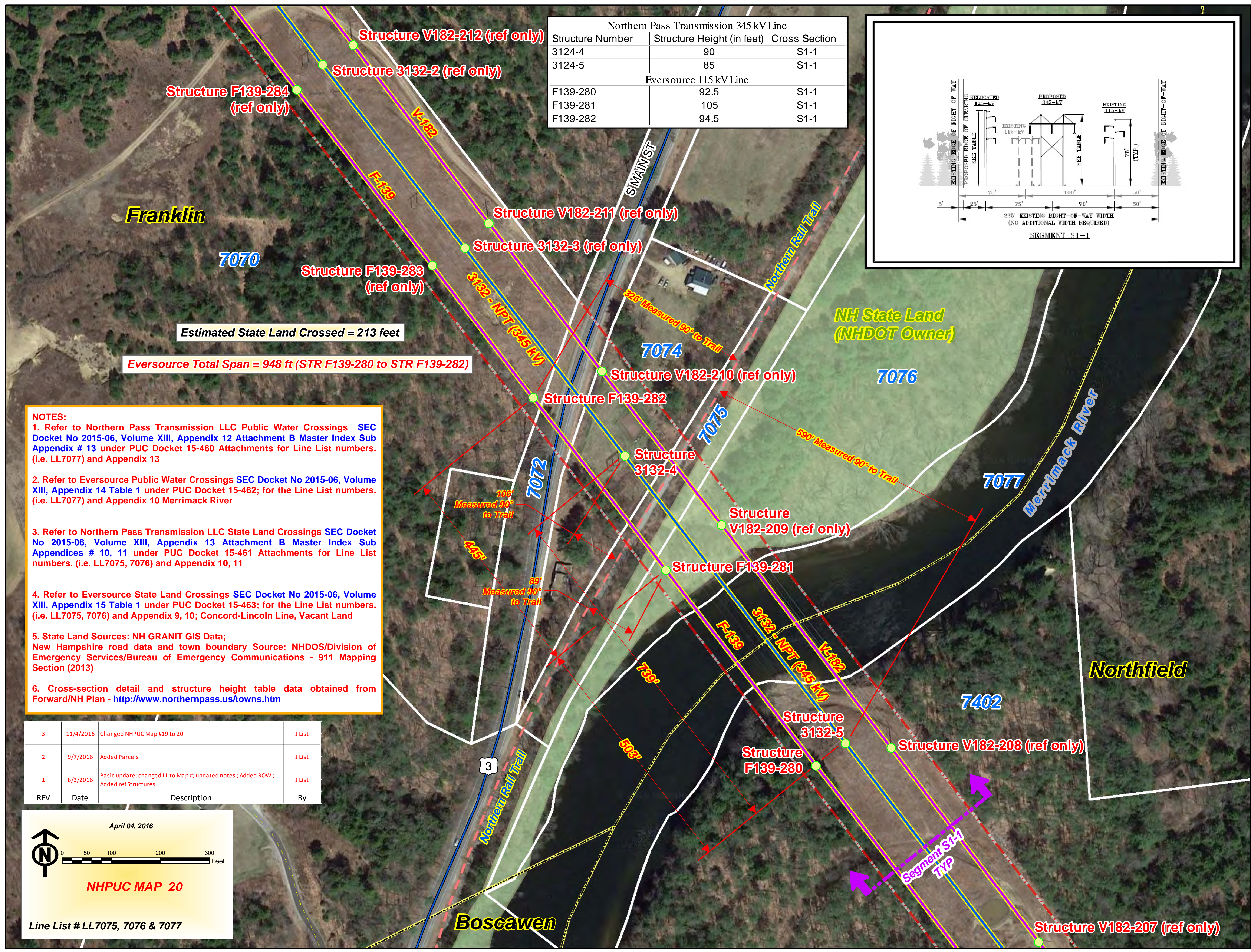
Legend

- Pole/Structure Location
- Northern Pass
 - 345 kV Line
 - Transition Station
- Eversource Lines
 - 115 kV
 - Right-of-way
- Town Boundary
- Parcel Boundary
- State Land

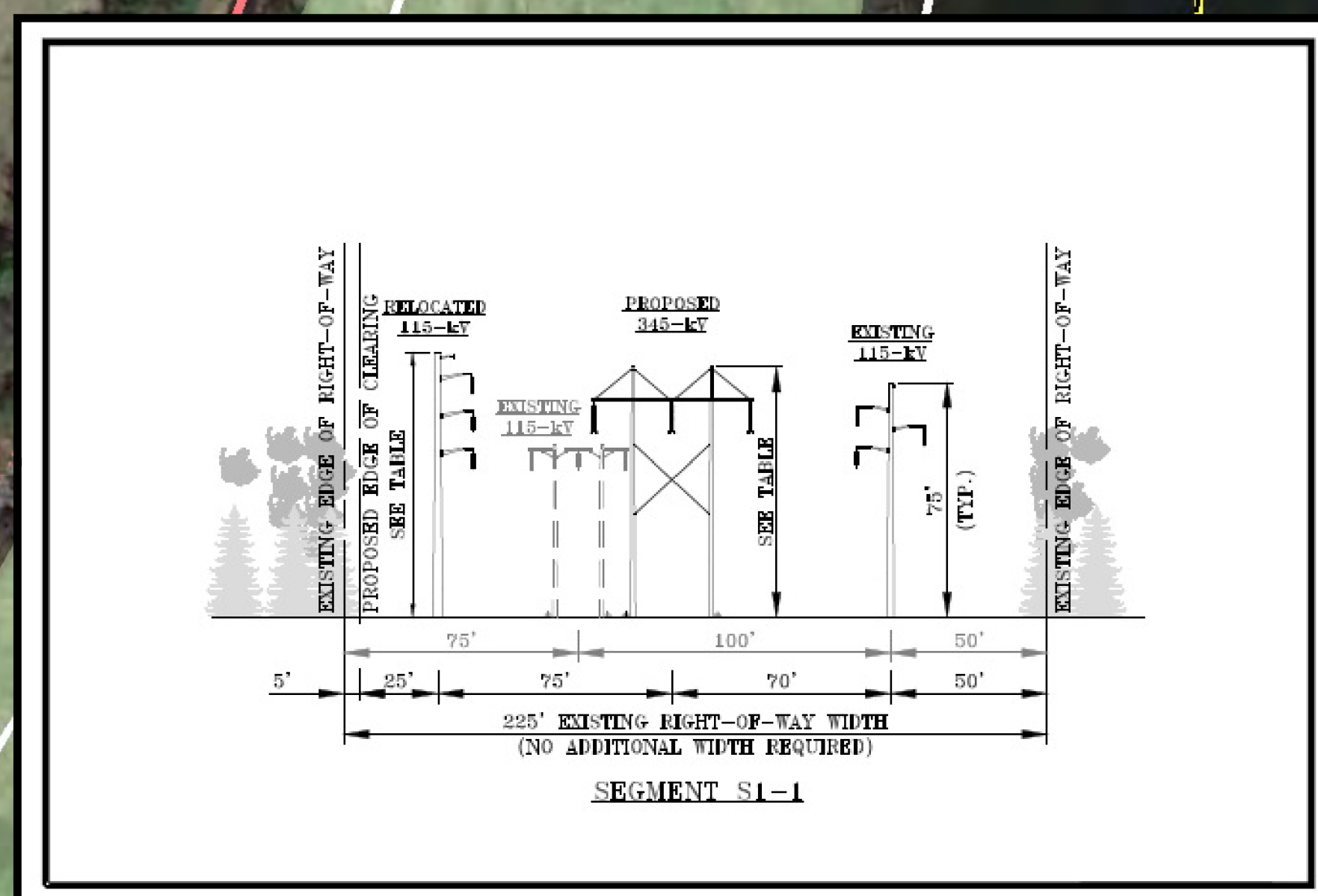
- Interstate
- US Route
- State Route
- Public Road
- Driveway
- Ramp/Crossover
- Railroad
- Abandoned Railroad



Prepared By:
 N.H. Public Utilities Commission
 Safety Division : GIS Section



Northern Pass Transmission 345 kV Line		
Structure Number	Structure Height (in feet)	Cross Section
3124-4	90	S1-1
3124-5	85	S1-1
Eversource 115 kV Line		
F139-280	92.5	S1-1
F139-281	105	S1-1
F139-282	94.5	S1-1



Estimated State Land Crossed = 213 feet

Eversource Total Span = 948 ft (STR F139-280 to STR F139-282)

- NOTES:**
1. Refer to Northern Pass Transmission LLC Public Water Crossings SEC Docket No 2015-06, Volume XIII, Appendix 12 Attachment B Master Index Sub Appendix # 13 under PUC Docket 15-460 Attachments for Line List numbers. (i.e. LL7077) and Appendix 13
 2. Refer to Eversource Public Water Crossings SEC Docket No 2015-06, Volume XIII, Appendix 14 Table 1 under PUC Docket 15-462; for the Line List numbers. (i.e. LL7077) and Appendix 10 Merrimack River
 3. Refer to Northern Pass Transmission LLC State Land Crossings SEC Docket No 2015-06, Volume XIII, Appendix 13 Attachment B Master Index Sub Appendices # 10, 11 under PUC Docket 15-461 Attachments for Line List numbers. (i.e. LL7075, 7076) and Appendix 10, 11
 4. Refer to Eversource State Land Crossings SEC Docket No 2015-06, Volume XIII, Appendix 15 Table 1 under PUC Docket 15-463; for the Line List numbers. (i.e. LL7075, 7076) and Appendix 9, 10; Concord-Lincoln Line, Vacant Land
 5. State Land Sources: NH GRANIT GIS Data; New Hampshire road data and town boundary Source: NHDOS/Division of Emergency Services/Bureau of Emergency Communications - 911 Mapping Section (2013)
 6. Cross-section detail and structure height table data obtained from Forward/NH Plan - <http://www.northernpass.us/towns.htm>

REV	Date	Description	By
3	11/4/2016	Changed NHPUC Map #19 to 20	J List
2	9/7/2016	Added Parcels	J List
1	8/3/2016	Basic update; changed LL to Map #; updated notes ; Added ROW ; Added refStructures	J List

April 04, 2016

NHPUC MAP 20

Line List # LL7075, 7076 & 7077

NORTHERN PASS PROJECT State Land/Rail Crossings DE 15-461 & DE 15-463

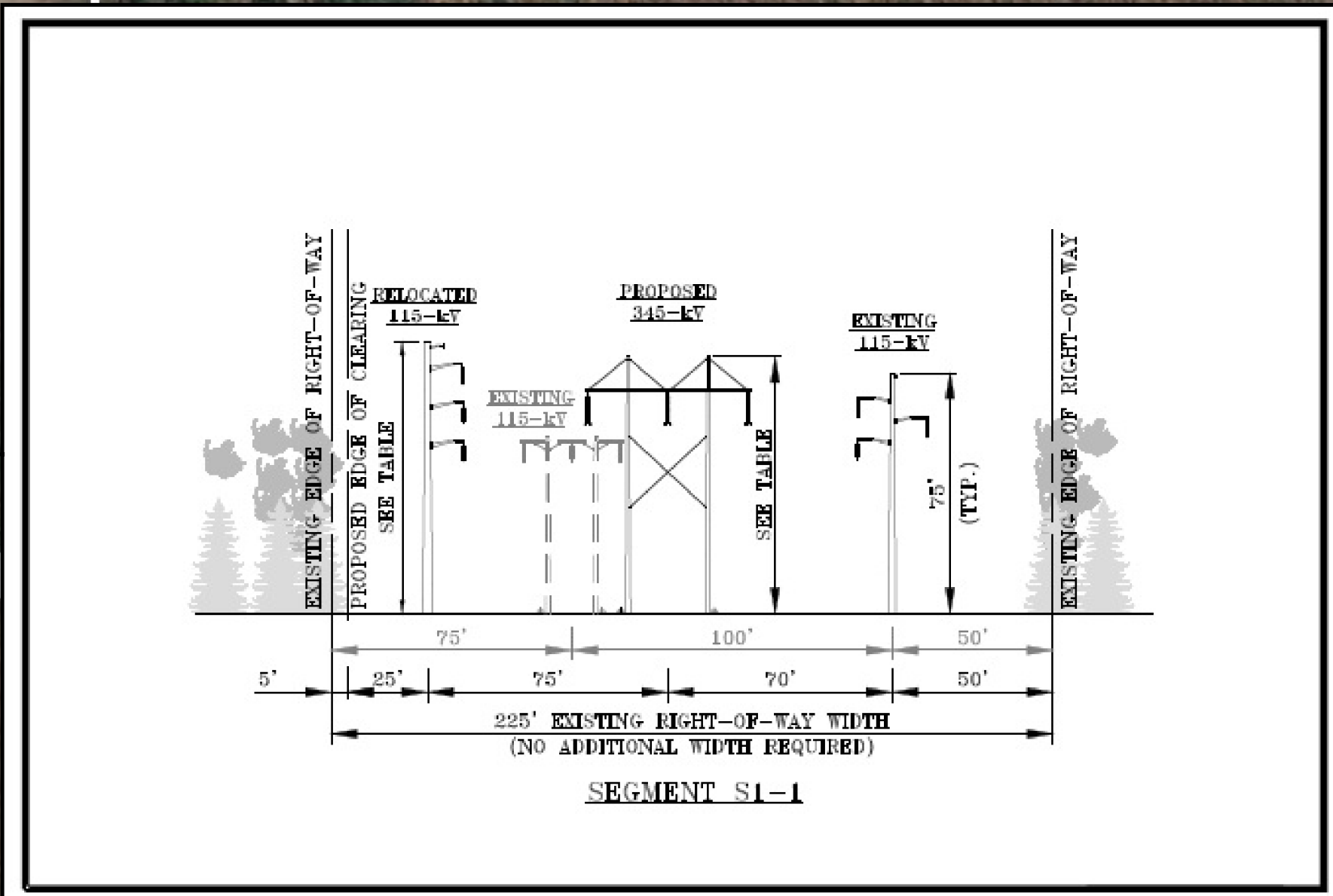
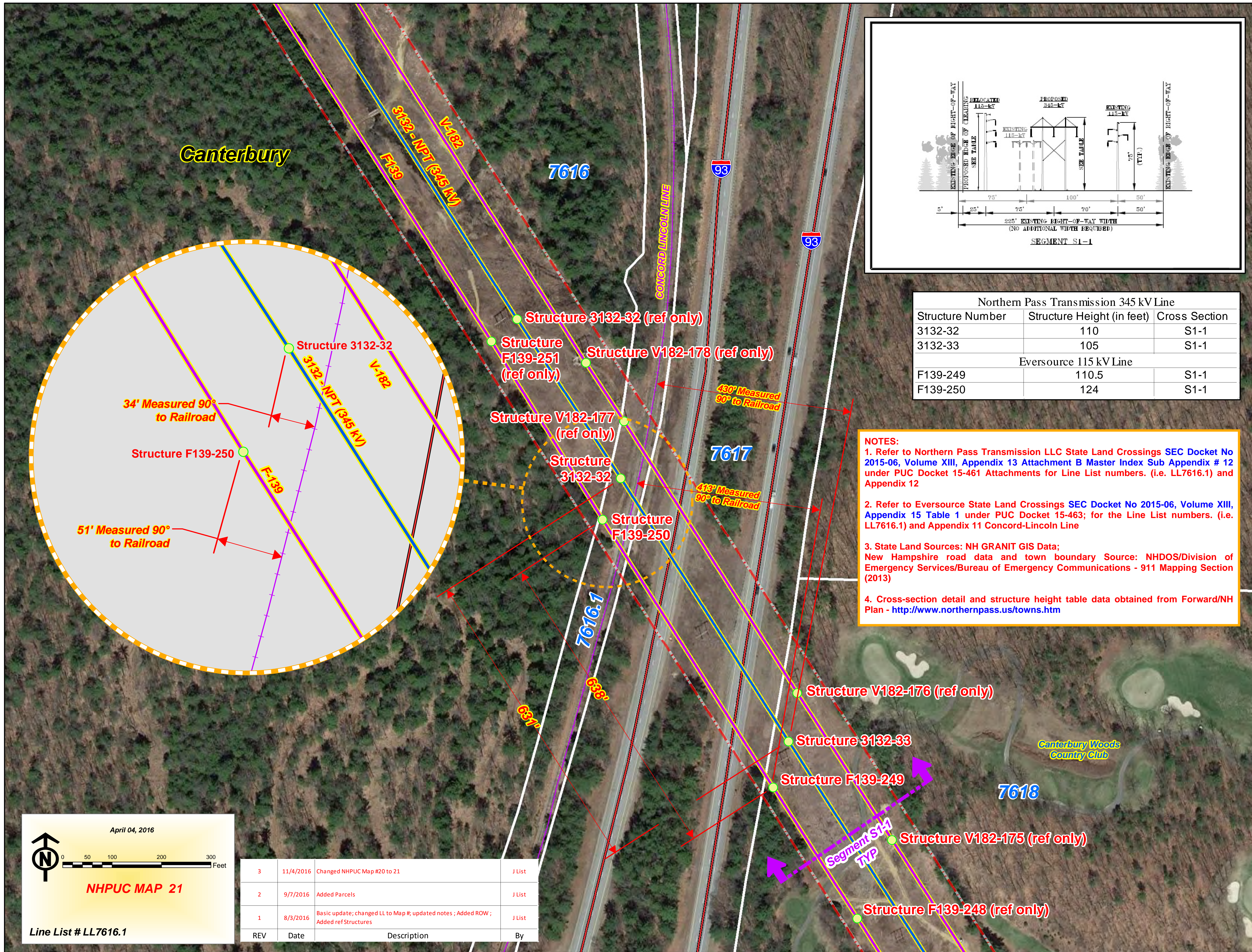
Legend

- Pole/Structure Location
- Northern Pass**
- 345 kV
- Transition Station
- Eversource Lines**
- 115 kV
- Right-of-way
- Town Boundary
- Parcel Boundary
- State Land

- Interstate
- US Route
- State Road
- Public Road
- Driveway
- Ramp/Crossover
- Railroad
- Abandoned Railroad



Prepared By:
N.H. Public Utilities Commission
Safety Division : GIS Section



Northern Pass Transmission 345 kV Line		
Structure Number	Structure Height (in feet)	Cross Section
3132-32	110	S1-1
3132-33	105	S1-1
Eversource 115 kV Line		
F139-249	110.5	S1-1
F139-250	124	S1-1

NOTES:

1. Refer to Northern Pass Transmission LLC State Land Crossings SEC Docket No 2015-06, Volume XIII, Appendix 13 Attachment B Master Index Sub Appendix # 12 under PUC Docket 15-461 Attachments for Line List numbers. (i.e. LL7616.1) and Appendix 12
2. Refer to Eversource State Land Crossings SEC Docket No 2015-06, Volume XIII, Appendix 15 Table 1 under PUC Docket 15-463; for the Line List numbers. (i.e. LL7616.1) and Appendix 11 Concord-Lincoln Line
3. State Land Sources: NH GRANIT GIS Data; New Hampshire road data and town boundary Source: NHDOS/Division of Emergency Services/Bureau of Emergency Communications - 911 Mapping Section (2013)
4. Cross-section detail and structure height table data obtained from Forward/NH Plan - <http://www.northernpass.us/towns.htm>

April 04, 2016

NHPUC MAP 21

Line List # LL7616.1

REV	Date	Description	By
3	11/4/2016	Changed NHPUC Map #20 to 21	J List
2	9/7/2016	Added Parcels	J List
1	8/3/2016	Basic update; changed LL to Map #; updated notes ; Added ROW ; Added ref Structures	J List

NORTHERN PASS PROJECT Public Water Crossings DE 15-460 & DE 15-462

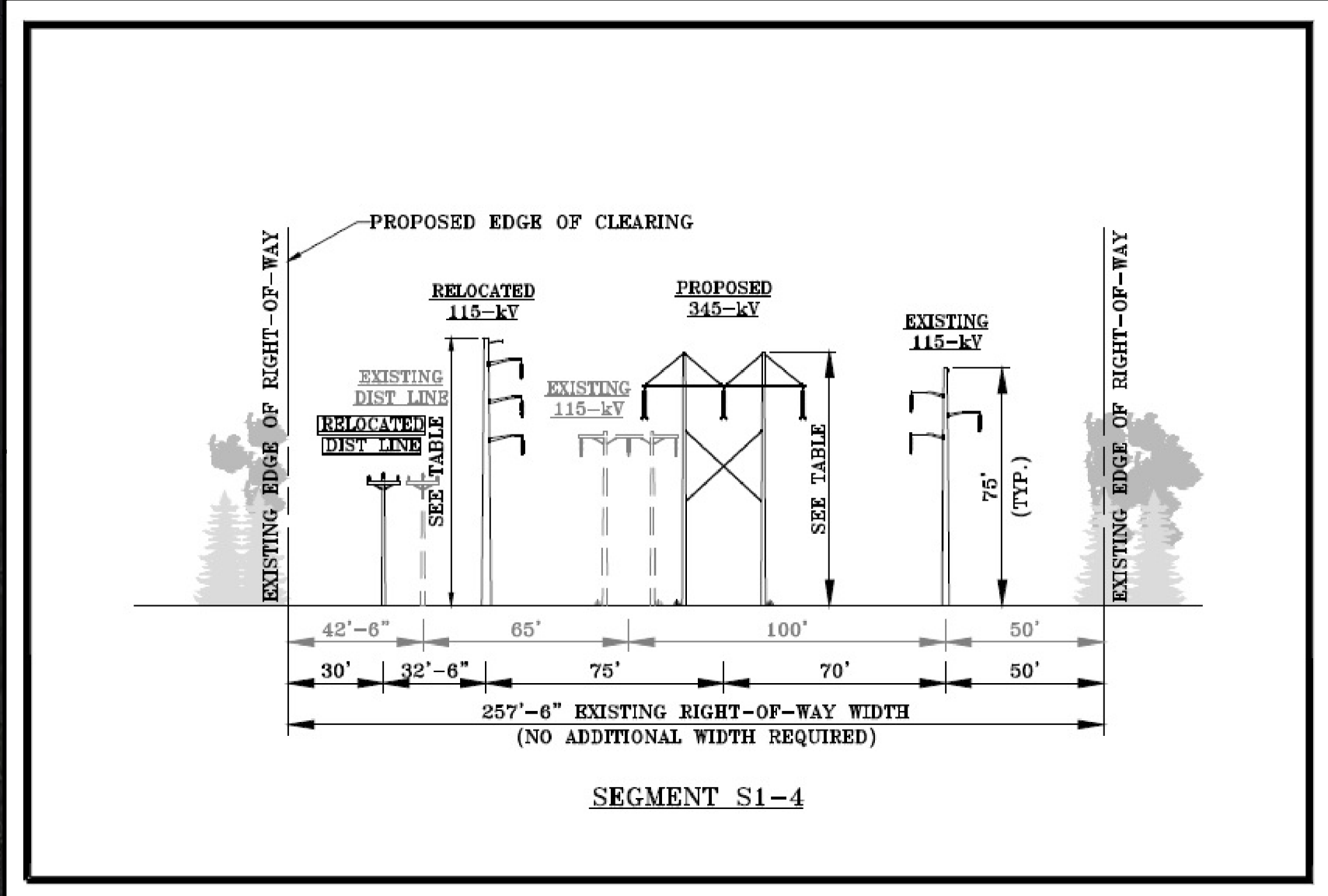
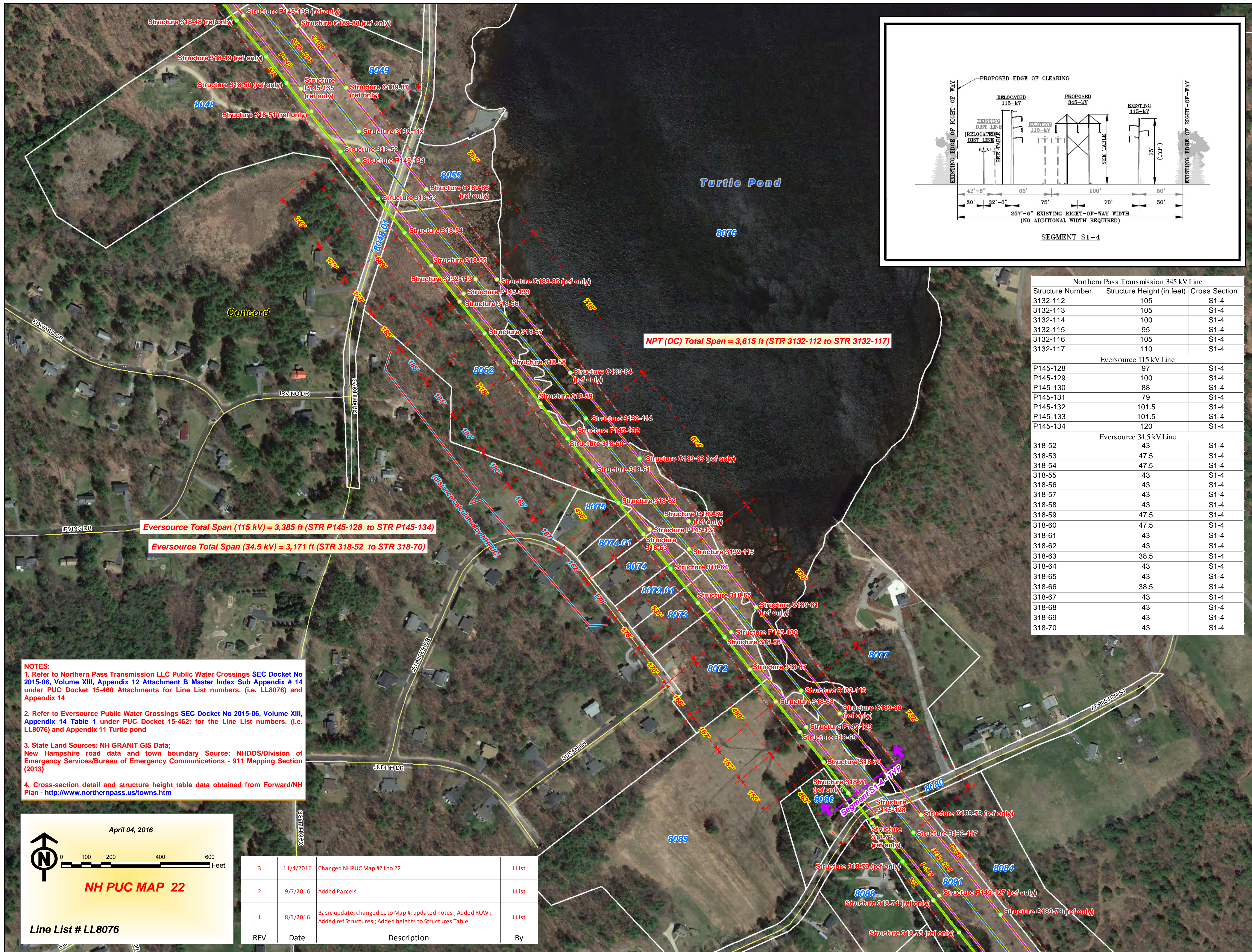
Legend

- Pole/Structure Location
- Northern Pass**
- 345 kV
- Transition Station
- Eversource Lines**
- 115 kV
- 34.5 kV
- - - Right-of-way
- Town Boundary
- Parcel Boundary
- State Land

- Interstate
- US Route
- State Route
- Public Road
- Driveway
- Ramp/Crossover
- Railroad
- Abandoned Railroad



Prepared By:
N.H. Public Utilities Commission
Safety Division - GIS Section



Northern Pass Transmission 345 kV Line		
Structure Number	Structure Height (in feet)	Cross Section
3132-112	105	S1-4
3132-113	105	S1-4
3132-114	100	S1-4
3132-115	95	S1-4
3132-116	105	S1-4
3132-117	110	S1-4
Eversource 115 kV Line		
P145-128	97	S1-4
P145-129	100	S1-4
P145-130	88	S1-4
P145-131	79	S1-4
P145-132	101.5	S1-4
P145-133	101.5	S1-4
P145-134	120	S1-4
Eversource 34.5 kV Line		
318-52	43	S1-4
318-53	47.5	S1-4
318-54	47.5	S1-4
318-55	43	S1-4
318-56	43	S1-4
318-57	43	S1-4
318-58	43	S1-4
318-59	47.5	S1-4
318-60	47.5	S1-4
318-61	43	S1-4
318-62	43	S1-4
318-63	38.5	S1-4
318-64	43	S1-4
318-65	43	S1-4
318-66	38.5	S1-4
318-67	43	S1-4
318-68	43	S1-4
318-69	43	S1-4
318-70	43	S1-4

NOTES:
 1. Refer to Northern Pass Transmission LLC Public Water Crossings SEC Docket No 2015-06, Volume XIII, Appendix 12 Attachment B Master Index Sub Appendix # 14 under PUC Docket 15-460 Attachments for Line List numbers. (i.e. LL8076) and Appendix 14
 2. Refer to Eversource Public Water Crossings SEC Docket No 2015-06, Volume XIII, Appendix 14 Table 1 under PUC Docket 15-462; for the Line List numbers. (i.e. LL8076) and Appendix 11 Turtle pond
 3. State Land Sources: NH GRANIT GIS Data; New Hampshire road data and town boundary Source: NHDOS/Division of Emergency Services/Bureau of Emergency Communications - 911 Mapping Section (2013)
 4. Cross-section detail and structure height table data obtained from Forward/NH Plan - <http://www.northernpass.us/towns.htm>

April 04, 2016

NH PUC MAP 22

Line List # LL8076

REV	Date	Description	By
3	11/4/2016	Changed NHPUC Map #21 to 22	J List
2	9/7/2016	Added Parcels	J List
1	8/3/2016	Basic update; changed LL to Map #; updated notes ; Added ROW ; Added ref Structures ; Added heights to Structures Table	J List

NORTHERN PASS PROJECT

Public Water, Rail, and State Land Crossings

DE 15-460, DE 15-461, DE 15-462, & DE 15-463

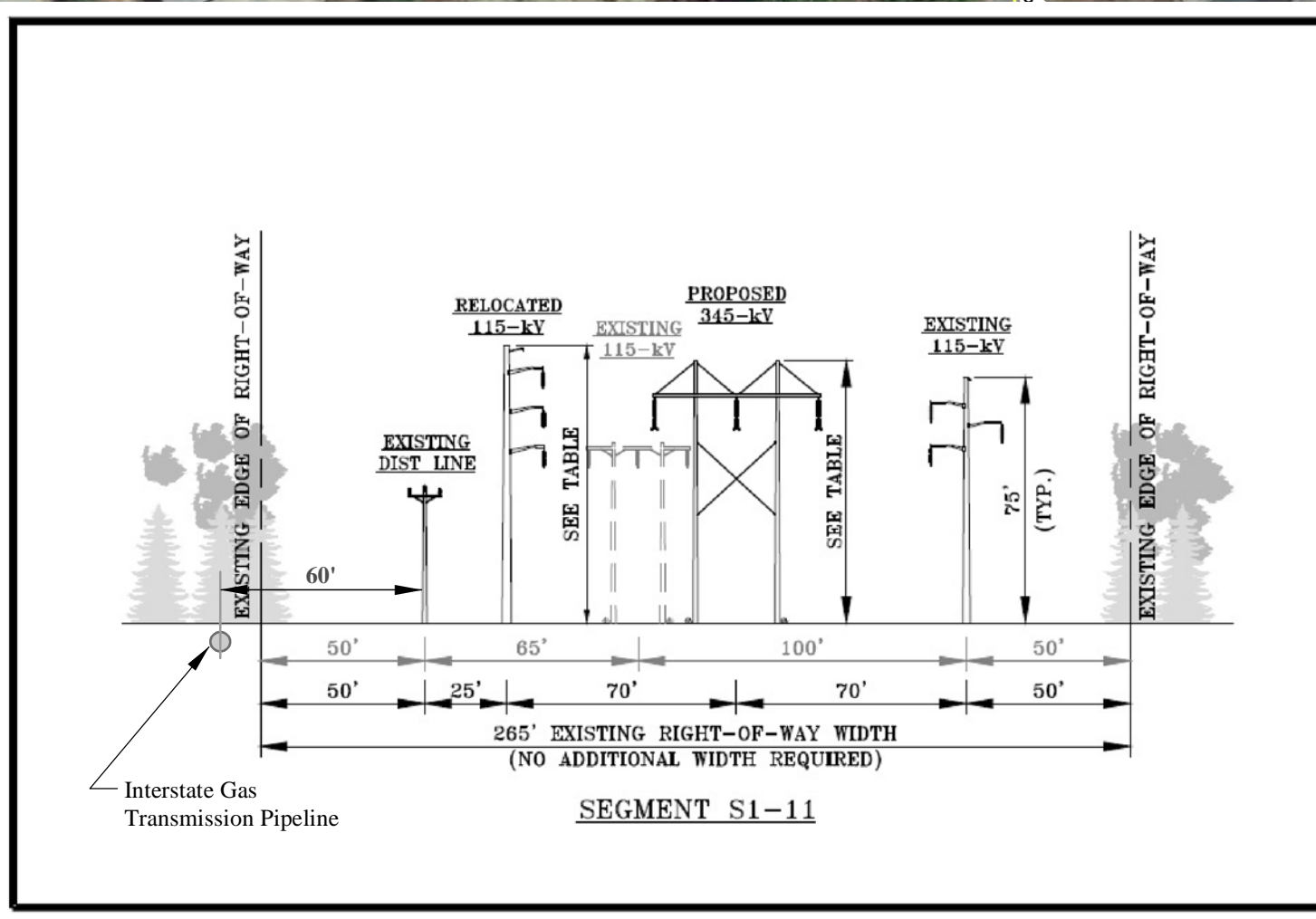
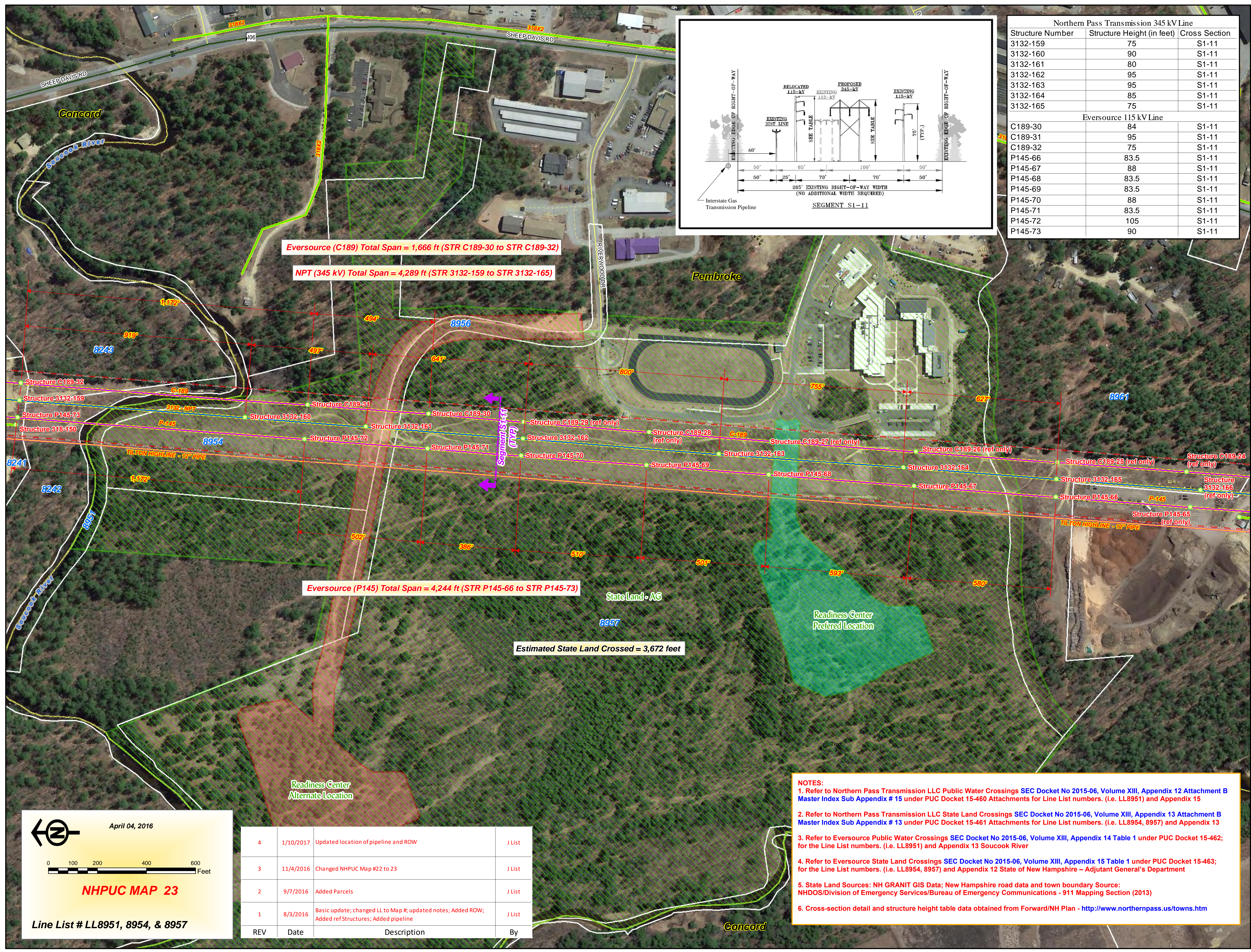
Legend

- Pole/Structure Location
- Northern Pass
 - 345 kV
- Eversource Lines
 - 115 kV
 - 34.5 kV
- Right-of-way
- State Land - AG
- Readiness Center Preferred Location
- Readiness Center Alternate Location
- Town Boundary
- Parcel Boundary

- Interstate
- US Route
- State Route
- Public Road
- Driveway
- Ramp/Crossover
- Railroad
- Abandoned Railroad



Prepared By:
N.H. Public Utilities Commission
Safety Division - GIS Section



Northern Pass Transmission 345 kV Line		
Structure Number	Structure Height (in feet)	Cross Section
3132-159	75	S1-11
3132-160	90	S1-11
3132-161	80	S1-11
3132-162	95	S1-11
3132-163	95	S1-11
3132-164	85	S1-11
3132-165	75	S1-11
Eversource 115 kV Line		
C189-30	84	S1-11
C189-31	95	S1-11
C189-32	75	S1-11
P145-66	83.5	S1-11
P145-67	88	S1-11
P145-68	83.5	S1-11
P145-69	83.5	S1-11
P145-70	88	S1-11
P145-71	83.5	S1-11
P145-72	105	S1-11
P145-73	90	S1-11

April 04, 2016

NHPUC MAP 23

Line List # LL8951, 8954, & 8957

REV	Date	Description	By
4	1/10/2017	Updated location of pipeline and ROW	J List
3	11/4/2016	Changed NHPUC Map #22 to 23	J List
2	9/7/2016	Added Parcels	J List
1	8/3/2016	Basic update; changed LL to Map #; updated notes; Added ROW; Added ref Structures; Added pipeline	J List

NOTES:

- Refer to Northern Pass Transmission LLC Public Water Crossings SEC Docket No 2015-06, Volume XIII, Appendix 12 Attachment B Master Index Sub Appendix # 15 under PUC Docket 15-460 Attachments for Line List numbers. (i.e. LL8951) and Appendix 15
- Refer to Northern Pass Transmission LLC State Land Crossings SEC Docket No 2015-06, Volume XIII, Appendix 13 Attachment B Master Index Sub Appendix # 13 under PUC Docket 15-461 Attachments for Line List numbers. (i.e. LL8954, 8957) and Appendix 13
- Refer to Eversource Public Water Crossings SEC Docket No 2015-06, Volume XIII, Appendix 14 Table 1 under PUC Docket 15-462; for the Line List numbers. (i.e. LL8951) and Appendix 13 Soucook River
- Refer to Eversource State Land Crossings SEC Docket No 2015-06, Volume XIII, Appendix 15 Table 1 under PUC Docket 15-463; for the Line List numbers. (i.e. LL8954, 8957) and Appendix 12 State of New Hampshire - Adjutant General's Department
- State Land Sources: NH GRANIT GIS Data; New Hampshire road data and town boundary Source: NHDOS/Division of Emergency Services/Bureau of Emergency Communications - 911 Mapping Section (2013)
- Cross-section detail and structure height table data obtained from Forward/NH Plan - <http://www.northernpass.us/towns.htm>

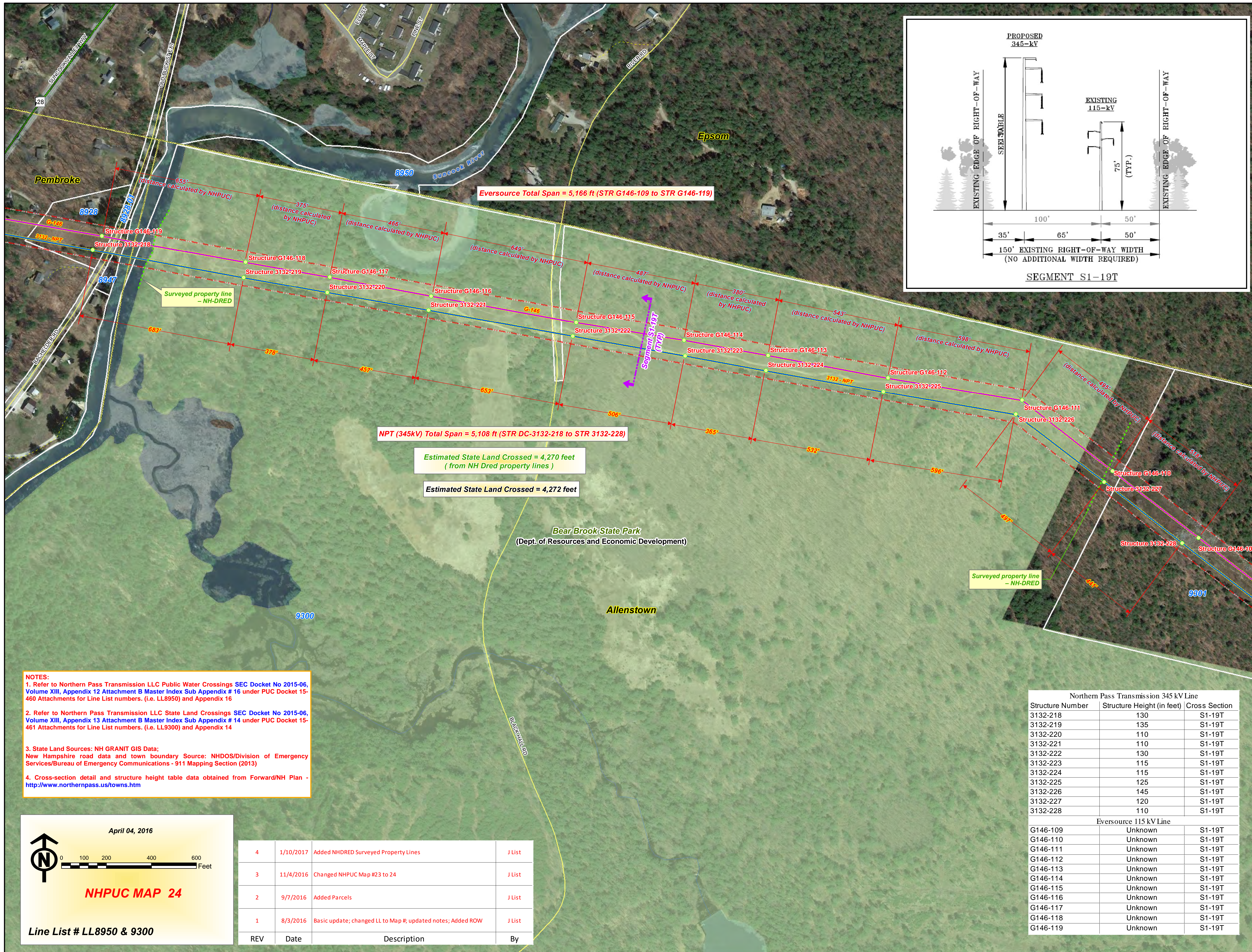
NORTHERN PASS PROJECT Public Water and State Land Crossings DE 15-460 & DE 15-461

Legend

- Pole/Structure Location
 - Northern Pass**
 - 345 kV
 - Transition Station
 - Eversource Lines**
 - 115 kV
 - Right-of-way
 - Town Boundary
 - Parcel Boundary
 - State Land
-
- Interstate
 - US Route
 - State Road
 - Public Road
 - Driveway
 - Ramp/Crossover
 - Railroad
 - Abandoned Railroad



Prepared By:
N.H. Public Utilities Commission
Safety Division : GIS Section



NOTES:

1. Refer to Northern Pass Transmission LLC Public Water Crossings SEC Docket No 2015-06, Volume XIII, Appendix 12 Attachment B Master Index Sub Appendix # 16 under PUC Docket 15-460 Attachments for Line List numbers. (i.e. LL8950) and Appendix 16
2. Refer to Northern Pass Transmission LLC State Land Crossings SEC Docket No 2015-06, Volume XIII, Appendix 13 Attachment B Master Index Sub Appendix # 14 under PUC Docket 15-461 Attachments for Line List numbers. (i.e. LL9300) and Appendix 14
3. State Land Sources: NH GRANIT GIS Data; New Hampshire road data and town boundary Source: NHDOS/Division of Emergency Services/Bureau of Emergency Communications - 911 Mapping Section (2013)
4. Cross-section detail and structure height table data obtained from Forward/NH Plan - <http://www.northernpass.us/towns.htm>

April 04, 2016

NHPUC MAP 24

Line List # LL8950 & 9300

REV	Date	Description	By
4	1/10/2017	Added NHDRED Surveyed Property Lines	J List
3	11/4/2016	Changed NHPUC Map #23 to 24	J List
2	9/7/2016	Added Parcels	J List
1	8/3/2016	Basic update; changed LL to Map #; updated notes; Added ROW	J List

Northern Pass Transmission 345 kV Line		
Structure Number	Structure Height (in feet)	Cross Section
3132-218	130	S1-19T
3132-219	135	S1-19T
3132-220	110	S1-19T
3132-221	110	S1-19T
3132-222	130	S1-19T
3132-223	115	S1-19T
3132-224	115	S1-19T
3132-225	125	S1-19T
3132-226	145	S1-19T
3132-227	120	S1-19T
3132-228	110	S1-19T

Eversource 115 kV Line		
Structure Number	Structure Height (in feet)	Cross Section
G146-109	Unknown	S1-19T
G146-110	Unknown	S1-19T
G146-111	Unknown	S1-19T
G146-112	Unknown	S1-19T
G146-113	Unknown	S1-19T
G146-114	Unknown	S1-19T
G146-115	Unknown	S1-19T
G146-116	Unknown	S1-19T
G146-117	Unknown	S1-19T
G146-118	Unknown	S1-19T
G146-119	Unknown	S1-19T